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Patent
Attorney Docket No. 030681-531

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Hae-kyoung Kim

Application No.: 10/616,998

Filing Date: July 11, 2003

Title: NANOCOMPOSITE ELECTROLYTE MEMBRANE AND FUEL CELL EMPLOYING THE SAME

Group Art Unit:

Examiner:

Confirmation No.:

FOURTH
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FOURTH Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By

Charles F. Wieland III
Registration No. 33,096

Date: August 11, 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
Hae-kyoung Kim)	Group Art Unit:
Application No.: 10/616,998)	Examiner:
Filed: July 11, 2003)	Confirmation No.:
For: NANOCOMPOSITE ELECTROLYTE)	
MEMBRANE AND FUEL CELL)	
EMPOYING THE SAME)	

FOURTH INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

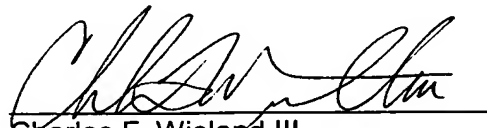
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date August 11, 2005

By:


Charles F. Wieland III
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AUG 11 2003

FOURTH INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number	10/616,998
Filing Date	July 11, 2003
First Named Inventor	Hae-kyoung Kim
Examiner Name	
Attorney Docket Number	030681-531

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Office Action	IPER	Abstract	Cited in Spec
	*02/00773	A2	WO	01-03-2002				X			
	*2003-175340		Japan	06-24-2003				X		X	
	*2000-516014		Japan	11-28-2000				X		X	
	*2004-502008		Japan	01-22-2004				X		X	

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	*Japanese Office Action dated 04-19-05.

***Copy Attached**

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.